

Use Attainability Analysis

for

WBID 214 Mccoy Creek

Submitted by

Missouri Department of Natural Resources Staff

To

Missouri Department of Natural Resources  
Water Protection Program

**Field Data Sheets for Recreational Use Stream Surveys**

**Data Sheet A - Water Body Identification**

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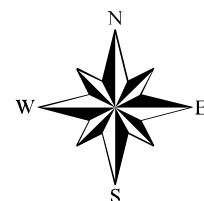
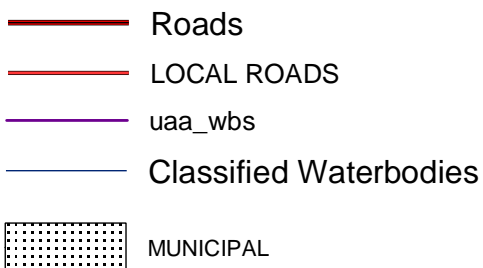
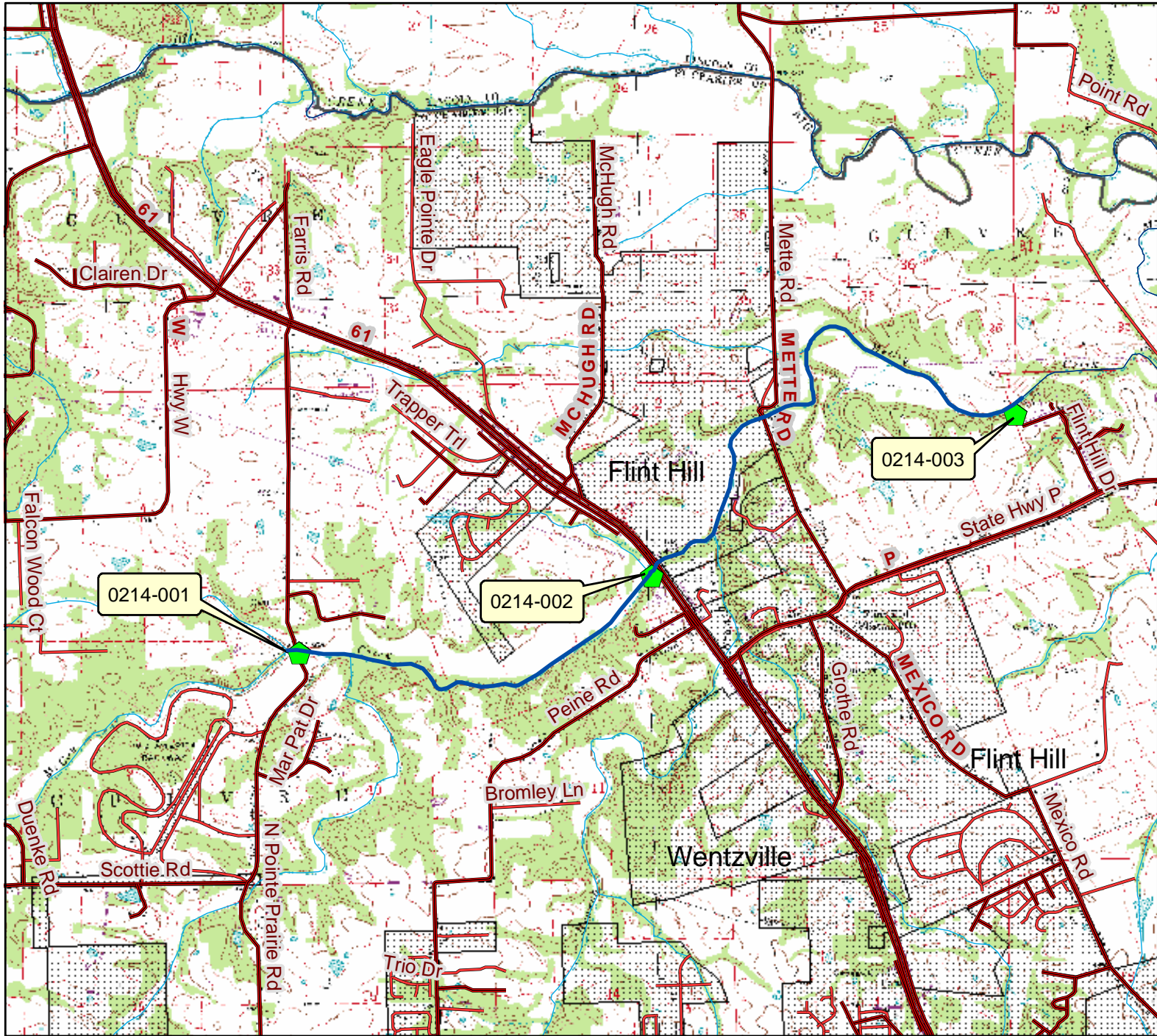
WATER PROTECTION PROGRAM

|  |                   |
|--|-------------------|
| Water Body Name:<br>(from USGS 7.5' quad)      | McCoy Creek       |
| 8-digit HUC:                                   | 07110008          |
| Missouri WBID #:                               | 0214              |
| County:  | St. Charles       |
| Upstream Legal Description:                    |                   |
| Downstream Legal Description:                  |                   |
| Upstream Coordinates:<br>(UGS 84, ddd.ddddd)   | 90.90274/38.85403 |
| Downstream Coordinates:<br>(UGS 84, ddd.ddddd) | 90.87475/38.85826 |
| Discharger Facility Name(s):                   |                   |
| Discharger Permit Number(s):                   |                   |
| Number of Sites Evaluated:                     | 2                 |
| Name of Surveyor and Telephone Number:         | Mary Clark        |
| Organization:                                  | MONK              |
| Position:                                      | ES III            |

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: Mary Clark Date: 7-8-05

# McCoy Creek (C) #0214 St. Charles County HUC 8 - 07110008



# Field Data Sheets for Recreational Use Stream Surveys

## Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

|   |                                      |        |
|---|--------------------------------------|--------|
| Missouri WBID #: 0214-001                 | Site Location Description: N. Pointe |        |
| Site GPS Coordinates: 90.90276 / 38.85403 | Bridge a Prairie rd.                 |        |
| Date & Time: 7-8-05                       | Facility Name:                       |        |
| Personnel: Mary Clark                     | Permit Number:                       |        |
| Current Weather Conditions: Sunny         | Weather Conditions for Past 7 days:  |        |
| Photo Ids: Upstream: 459                  | Downstream: 460                      | Other: |

### Uses Observed\*:

|                                       |                                      |                                       |   |                                       |
|---------------------------------------|--------------------------------------|---------------------------------------|---|---------------------------------------|
| <input type="checkbox"/> Swimming     | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing                       | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking    | <input type="checkbox"/> Boating      | <input type="checkbox"/> Wading                       | <input type="checkbox"/> Rafting      |
| <input type="checkbox"/> Hunting      | <input type="checkbox"/> Trapping    | <input type="checkbox"/> Fishing      | <input checked="" type="checkbox"/> None of the above | <input type="checkbox"/> Other:       |

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

### Surrounding Conditions\*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

|  |                                      |   |   |   |
|--|--------------------------------------|---|---|---|
| <input type="checkbox"/> City/county parks | <input type="checkbox"/> Playgrounds | <input type="checkbox"/> MDC conservation lands | <input type="checkbox"/> Urban areas                                | <input type="checkbox"/> Campgrounds    |
| <input type="checkbox"/> Boating accesses  | <input type="checkbox"/> State parks | <input type="checkbox"/> National forests       | <input type="checkbox"/> Nature trails                              | <input type="checkbox"/> Stairs/walkway |
| <input type="checkbox"/> No trespass sign  | <input type="checkbox"/> Fence       | <input type="checkbox"/> Steep slopes           | <input checked="" type="checkbox"/> Other: Subdivision construction |   |

### Evidence of Human Use\*:

|  |  |  |   |  |
|--|--|--|---|--|
| <input checked="" type="checkbox"/> Roads  | <input type="checkbox"/> Foot paths/prints | <input type="checkbox"/> Dock/platform | <input type="checkbox"/> Livestock Watering | <input type="checkbox"/> RV / ATV Tracks |
| <input type="checkbox"/> Rope swings   | <input type="checkbox"/> Camping Sites     | <input type="checkbox"/> Fire pit/ring | <input type="checkbox"/> NPDES Discharge    | <input type="checkbox"/> Fishing Tackle  |
| <input checked="" type="checkbox"/> Other: fire trap paths on both sides - probably 1/2 dead |  |  |   |  |

**Site Locations Map(s):** Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

\*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

**Stream Morphology:**

**Upstream View Physical Dimensions:**

|  |   |                        |                                   |                              |
|--|---|------------------------|-----------------------------------|------------------------------|
| <input checked="" type="checkbox"/> Riffle | Width (ft): <u>5</u>  | Length (ft): <u>15</u> | Avg. Depth (ft): <u>0.25</u>      | Max. Depth (ft): <u>0.33</u> |
| <input checked="" type="checkbox"/> Run    | Width (ft): <u>20</u>   | Length (ft): <u>80</u> | Avg. Depth (ft): <u>0.5</u>       | Max. Depth (ft): <u>0.6</u>  |
| <input type="checkbox"/> Pool              | Width (ft):   | Length (ft):           | Avg. Depth (ft):                  | Max. Depth (ft):             |
| <input type="checkbox"/> Flow Present?     | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                        | Estimated (ft <sup>3</sup> /sec): |                              |

**Downstream View Physical Dimensions:**

|  |   |                        |                                   |                              |
|--|---|------------------------|-----------------------------------|------------------------------|
| <input checked="" type="checkbox"/> Riffle | Width (ft): <u>18</u>   | Length (ft): <u>18</u> | Avg. Depth (ft): <u>0.15</u>      | Max. Depth (ft): <u>0.25</u> |
| <input checked="" type="checkbox"/> Run    | Width (ft): <u>15</u>   | Length (ft): <u>18</u> | Avg. Depth (ft): <u>0.5</u>       | Max. Depth (ft): <u>0.7</u>  |
| <input checked="" type="checkbox"/> Pool   | Width (ft): <u>15</u>   | Length (ft): <u>40</u> | Avg. Depth (ft): <u>1.5</u>       | Max. Depth (ft): <u>3.0</u>  |
| <input type="checkbox"/> Flow Present?     | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                        | Estimated (ft <sup>3</sup> /sec): |                              |

**Substrate\*:** (These values should add up to 100%.)

|                          |                    |                  |        |                     |           |
|--------------------------|--------------------|------------------|--------|---------------------|-----------|
| <u>0 and 45</u> % Cobble | <u>38</u> % Gravel | <u>25</u> % Sand | % Silt | <u>5</u> % Mud/Clay | % Bedrock |
|--------------------------|--------------------|------------------|--------|---------------------|-----------|

**Aquatic Vegetation\*:** (note amount of vegetation or algal growth at the assessment site)

|                                    |
|------------------------------------|
| <u>Algal cover 75% dense green</u> |
|------------------------------------|

**Water Characteristics\*:** (Mark all that apply.)

|                  |   |                                 |  |  |                                 |
|------------------|---|---------------------------------|--|--|---------------------------------|
| Odor:            | <input type="checkbox"/> Sewage           | <input type="checkbox"/> Musky  | <input type="checkbox"/> Chemical                  | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |
| Color:           | <input checked="" type="checkbox"/> Clear | <input type="checkbox"/> Green  | <input type="checkbox"/> Gray                      | <input type="checkbox"/> Milky           | <input type="checkbox"/> Other: |
| Bottom Deposit:  | <input type="checkbox"/> Sludge           | <input type="checkbox"/> Solids | <input checked="" type="checkbox"/> Fine sediments | <input type="checkbox"/> None            | <input type="checkbox"/> Other: |
| Surface Deposit: | <input type="checkbox"/> Oil              | <input type="checkbox"/> Scum   | <input type="checkbox"/> Foam                      | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |

**Comments:** Please attach additional comments (including information from interviews) to this form.

\*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use.

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate. estimated based on my observation

Signed: Mary Clark Date: 7-8-05  
 Organization: MDNR Position: ES III

214\_001 DS



214\_001 US



# Field Data Sheets for Recreational Use Stream Surveys

## Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

ED#  
18

|   |  |        |
|---|--|--------|
| Missouri WBID #: 0214-002               | Site Location Description: South of McHugh Rd. |        |
| Site GPS Coordinates: 90.87475/38.85826 | NW 1/4 bridge over McCoy Creek                 |        |
| Date & Time: 7-8-05 11:30               | Facility Name:                                 |        |
| Personnel: Mary Clark                   | Permit Number:                                 |        |
| Current Weather Conditions: Sunny       | Weather Conditions for Past 7 days:            |        |
| Photo Ids: Upstream: 461                | Downstream: 462                                | Other: |

### Uses Observed\*:

|                                       |                                      |                                       |   |                                       |
|---------------------------------------|--------------------------------------|---------------------------------------|---|---------------------------------------|
| <input type="checkbox"/> Swimming     | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing                       | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking    | <input type="checkbox"/> Boating      | <input type="checkbox"/> Wading                       | <input type="checkbox"/> Rafting      |
| <input type="checkbox"/> Hunting      | <input type="checkbox"/> Trapping    | <input type="checkbox"/> Fishing      | <input checked="" type="checkbox"/> None of the above | <input type="checkbox"/> Other:       |

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

### Surrounding Conditions\*:

(Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

|  |                                      |   |  |   |
|--|--------------------------------------|---|--|---|
| <input type="checkbox"/> City/county parks | <input type="checkbox"/> Playgrounds | <input type="checkbox"/> MDC conservation lands | <input type="checkbox"/> Urban areas   | <input type="checkbox"/> Campgrounds    |
| <input type="checkbox"/> Boating accesses  | <input type="checkbox"/> State parks | <input type="checkbox"/> National forests       | <input type="checkbox"/> Nature trails   | <input type="checkbox"/> Stairs/walkway |
| <input type="checkbox"/> No trespass sign  | <input type="checkbox"/> Fence       | <input type="checkbox"/> Steep slopes           | <input checked="" type="checkbox"/> Other: rural fields<br>remediation traffic |   |

### Evidence of Human Use\*:

|   |   |  |   |  |
|---|---|--|---|--|
| <input checked="" type="checkbox"/> Roads | <input checked="" type="checkbox"/> Foot paths/trails | <input type="checkbox"/> Dock/platform | <input type="checkbox"/> Livestock Watering | <input type="checkbox"/> RV / ATV Tracks |
| <input type="checkbox"/> Rope swings      | <input type="checkbox"/> Camping Sites                | <input type="checkbox"/> Fire pit/ring | <input type="checkbox"/> NPDES Discharge    | <input type="checkbox"/> Fishing Tackle  |
| <input type="checkbox"/> Other:           |   |  |   |  |

**Site Locations Map(s):** Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

\*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Stream Morphology: 5 band lane

*minnows*

Upstream View Physical Dimensions:

|  |   |   |                              |                              |
|--|---|---|------------------------------|------------------------------|
| <input checked="" type="checkbox"/> Riffle | Width (ft): <u>15</u>   | Length (ft): <u>5</u>                                       | Avg. Depth (ft): <u>0.1</u>  | Max. Depth (ft): <u>0.15</u> |
| <input checked="" type="checkbox"/> Run    | Width (ft): <u>12</u>   | Length (ft): <u>30</u>                                      | Avg. Depth (ft): <u>0.15</u> | Max. Depth (ft): <u>1.5</u>  |
| <input checked="" type="checkbox"/> Pool   | Width (ft): <u>20</u>   | Length (ft): <u>25</u>                                      | Avg. Depth (ft): <u>2.0</u>  | Max. Depth (ft): <u>3.0</u>  |
| <input type="checkbox"/> Flow Present?     | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Estimated (ft <sup>3</sup> /sec): <u>ford vel in riffle</u> |                              |                              |

Downstream View Physical Dimensions:

|  |  |   |                             |                                 |
|--|--|---|-----------------------------|---------------------------------|
| <input checked="" type="checkbox"/> Riffle | Width (ft): <u>12</u>                                    | Length (ft): <u>5</u>                             | Avg. Depth (ft): <u>0.1</u> | Max. Depth (ft): <u>0.15</u>    |
| <input checked="" type="checkbox"/> Run    | Width (ft): <u>30</u>                                    | Length (ft): <u>75</u>                            | Avg. Depth (ft): <u>1.5</u> | Max. Depth (ft): <u>&gt;3.0</u> |
| <input type="checkbox"/> Pool              | Width (ft):  | Length (ft):                                      | Avg. Depth (ft):            | Max. Depth (ft):                |
| <input type="checkbox"/> Flow Present?     | <input type="checkbox"/> Yes <input type="checkbox"/> No | Estimated (ft <sup>3</sup> /sec): <u>velocity</u> |                             |                                 |

Substrate\*: (These values should add up to 100%.)

|                    |                    |                  |        |                     |           |
|--------------------|--------------------|------------------|--------|---------------------|-----------|
| <u>25</u> % Cobble | <u>25</u> % Gravel | <u>35</u> % Sand | % Silt | <u>5</u> % Mud/Clay | % Bedrock |
|--------------------|--------------------|------------------|--------|---------------------|-----------|

Aquatic Vegetation\*: (note amount of vegetation or algal growth at the assessment site)

|   |
|---|
| <u>algae - a little in stagnant water &amp; under bridge - 5. lane lane</u> |
|---|

Water Characteristics\*: (Mark all that apply.)

|                  |   |                                 |  |  |                                 |
|------------------|---|---------------------------------|--|--|---------------------------------|
| Odor:            | <input type="checkbox"/> Sewage           | <input type="checkbox"/> Musky  | <input type="checkbox"/> Chemical                  | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |
| Color:           | <input checked="" type="checkbox"/> Clear | <input type="checkbox"/> Green  | <input type="checkbox"/> Gray                      | <input type="checkbox"/> Milky           | <input type="checkbox"/> Other: |
| Bottom Deposit:  | <input type="checkbox"/> Sludge           | <input type="checkbox"/> Solids | <input checked="" type="checkbox"/> Fine sediments | <input type="checkbox"/> None            | <input type="checkbox"/> Other: |
| Surface Deposit: | <input type="checkbox"/> Oil              | <input type="checkbox"/> Scum   | <input type="checkbox"/> Foam                      | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |

Comments: Please attach additional comments (including information from interviews) to this form.

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Signed: Mary Clark Date: 7-8-05

Organization: MONA Position: ES III

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214\_002 US

